

## Test procedures for insecticide resistance monitoring in malaria vector mosquitoes

Second edition



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### **Updates**

Minor revisions were made to this edition in June 2018, mainly to: adapt Figure 3.1 to provide a more comprehensive overview; align with statistics provided in the latest *World malaria report*; and, include information and citations for other publications released recently.

### **ABBREVIATIONS**

Al active ingredient

CDC US Centers for Disease Control and Prevention

DDT dichlorodiphenyltrichloroethane

ELISA enzyme-linked immunosorbent assay

GMP WHO Global Malaria Programme

GPIRM Global plan for insecticide resistance management in malaria vectors

IRS indoor residual spraying

ITN insecticide-treated mosquito net

kdr knockdown resistance

LLIN long-lasting insecticidal net

NMCP national malaria control programme

PBO piperonyl butoxide

PCR polymerase chain reaction

rdl resistance to dieldrin

WHO World Health Organization

WHOPES World Health Organization Pesticide Evaluation Scheme

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